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## FastTrack™ 2.0 Kit

## mRNA Isolation from Large Samples

## Description:

The FastTrack™ 2.0 mRNA Isolation Kit can be used to isolate mRNA directly from  $1 \times 10^7$  to  $1 \times 10^8$  cells (depending on cell type), 0.4 to 1 gram of tissue, or 0.2 to 1 mg of total RNA. The procedure requires no ultracentrifugation or guanidinium lysis and uses convenient, pre-measured aliquots of oligo dT cellulose powder for high yields of mRNA. The isolated mRNA is intact and full-length and can be used in cDNA library construction, subtracted probe generation, primer extension studies, northern blot analysis, RT-PCR, RNase protection assays, oocyte microinjection, and *in vitro* translation.

## Become a Frequent Buyer!

When you purchase FastTrack™ 2.0 or Micro-FastTrack™ mRNA Isolation Kits, you'll become a member of the FastTrack™ Team of frequent buyers! Frequent buyers are eligible for cool prizes like FastTrack™ T-shirts, baseball caps, and denim shirts. Call Invitrogen's Technical Services Department or visit our web site for more information.

## Contents and Storage:

RNase and Protein Degradar, six pre-measured aliquots of oligo dT cellulose powder, 5 M NaCl, 2 M sodium acetate, stock buffer, binding buffer, elution buffer, low-salt wash buffer, and microcentrifuge spin columns. All reagents are stable at +4°C for 6 months.

Description	Reactions	Cat. no.	Price
FastTrack™ 2.0 Kit	6	K1593-02	\$280
	18 (3 x 6)	K1593-03	\$750

- save money with the convenient multi-pack

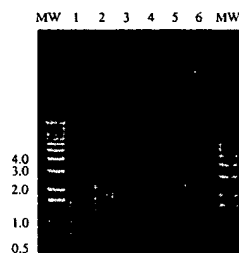
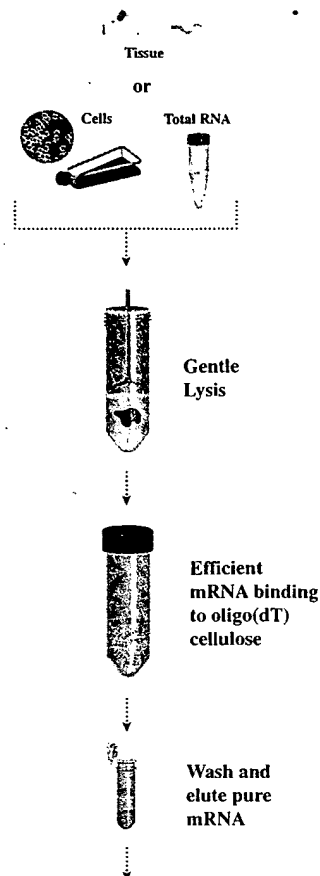
## References:

Aviv, H. and Leder, P. (1972) *Proc. Natl. Acad. Sci.* 69: 1408-1412.  
 Lin, X. *et al.* (1991) *Proc. Natl. Acad. Sci.* 88: 6951-6955.  
 Mathews, L. S. and Vale, W. W. (1991) *Cell* 65: 973-982.

Poly A<sup>+</sup> Yields Obtained with FastTrack™ 2.0

Sample	Amount	Yield
<b>Tissues</b>		
Rat Spleen	1 g	87 µg
Rat Liver	1 g	71 µg
Rat Kidney	1 g	50 µg
Dog Heart	1 g	31 µg
Calf Intestine	1 g	54 µg
<b>Cells</b>		
3T3	$6.4 \times 10^7$ cells	54 µg
Sf9	$1 \times 10^8$ cells	71 µg
<b>Fungus,</b>		
<i>Trametes Versicolor</i>	1 g	50 µg

## FastTrack™ 2.0 Procedure



mRNA isolated from various sources. Each mRNA pellet was resuspended in 50 µl RNase-free water. 5 µl was loaded onto a 1% agarose gel.

Lane 1: Sf9 Insect cells  
 Lane 2: HeLa cells  
 Lane 3: Kidney tissue  
 Lane 4: Liver tissue  
 Lane 5: Spleen tissue  
 Lane 6: Tobacco plant

You can use the resulting mRNA for cDNA synthesis, RT-PCR, northern, and oocyte microinjection

For information about our cDNA synthesis kit for library construction, see page 114. For RT-PCR, see page 75.

Welcome

Welcome

# Welcome!

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Inside the 1998 Invitrogen product catalog you will find information about our extensive line of innovative products for gene expression and analysis. We've designed the catalog to help you find the right product for your research needs. Each section contains complete product information, including detailed product descriptions, storage conditions, references, and easy-to-find ordering information. With Invitrogen's product catalog, the information you need is right at your fingertips.



# Where to Find Us

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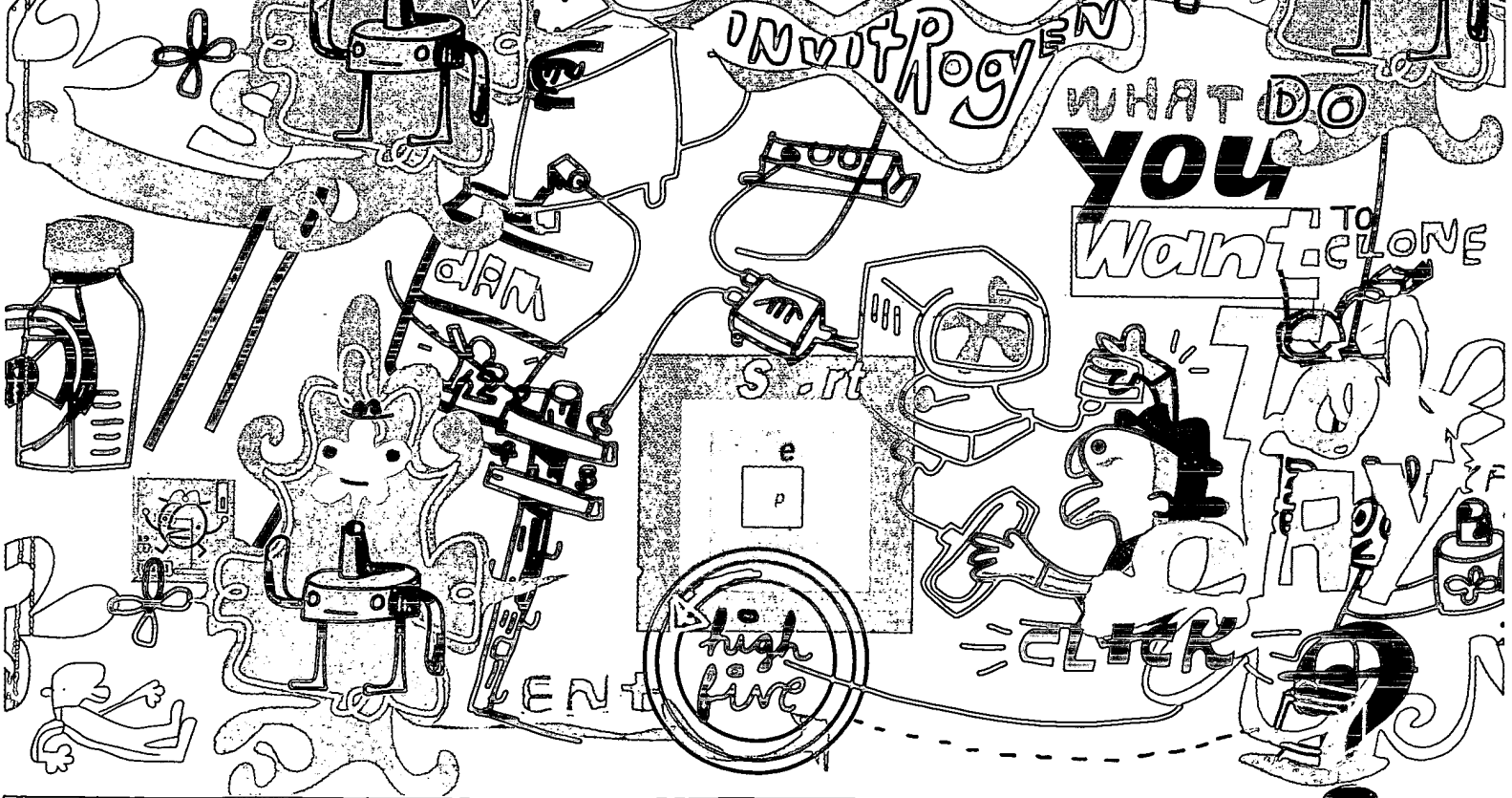
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